

## Table ENG-2. - Construction Materials

Prince George County, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Ackwater	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.60
Aycock	5	Not Rated		Not Rated		Not Rated	
Montross	5	Not Rated		Not Rated		Not Rated	
1B:							
Ackwater	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.60
Aycock	5	Not Rated		Not Rated		Not Rated	
Montross	5	Not Rated		Not Rated		Not Rated	
1C:							
Ackwater	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.60
Aycock	5	Not Rated		Not Rated		Not Rated	
Montross	5	Not Rated		Not Rated		Not Rated	
2C3:							
Ackwater	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.60
Aycock	5	Not Rated		Not Rated		Not Rated	
Montross	5	Not Rated		Not Rated		Not Rated	

2D3:

**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
2D3:							
Ackwater	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.14	Too Clayey	0.00
		Too acid	0.50	Slope	0.82	Depth to saturated zone	0.14
Aycock	10	Not Rated		Not Rated		Not Rated	
Montross	10	Not Rated		Not Rated		Not Rated	
3:							
Argent	90	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.76
Bolling	5	Not Rated		Not Rated		Not Rated	
Muckalee	5	Not Rated		Not Rated		Not Rated	
4A:							
Aycock	85	Poor		Poor		Fair	
		Low content of organic matter	0.00	Low strength	0.00	Too acid	0.88
		Too acid	0.50				
		Water erosion	0.90				
Ackwater	3	Not Rated		Not Rated		Not Rated	
Bonneau	3	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Montross	3	Not Rated		Not Rated		Not Rated	
Norfolk	3	Not Rated		Not Rated		Not Rated	
4B:							
Aycock	85	Poor		Poor		Fair	
		Low content of organic matter	0.00	Low strength	0.00	Too acid	0.88
		Too acid	0.50				
		Water erosion	0.90				
Ackwater	4	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Montross	4	Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4B:							
Norfolk	3	Not Rated		Not Rated		Not Rated	
5:							
Bojac	85	Fair Low content of organic matter Too acid	0.13  0.92	Good		Good	
Pamunkey	8	Not Rated		Not Rated		Not Rated	
Bolling	7	Not Rated		Not Rated		Not Rated	
6:							
Bolling	90	Fair Low content of organic matter Too acid	0.13  0.89	Poor Low strength Depth to saturated zone	0.00 0.53	Fair Depth to saturated zone	0.53
Argent	5	Not Rated		Not Rated		Not Rated	
Pamunkey	5	Not Rated		Not Rated		Not Rated	
7B:							
Bonneau	85	Poor Wind erosion Low content of organic matter Too sandy	0.00 0.13 0.14	Good		Fair Too sandy Too acid	0.14 0.98
Burrowsville	4	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Norfolk	4	Not Rated		Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated		Not Rated	
7C:							
Bonneau	85	Poor Wind erosion Low content of organic matter Too sandy	0.00 0.13 0.14	Good		Fair Too sandy Too acid	0.14 0.98
Emporia	8	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	

8A:

**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
8A:							
Burrowsville	80	Fair		Poor		Fair	
		Droughty	0.08	Depth to cemented	0.00	Depth to saturated	0.14
		Too acid	0.12	pan		zone	
		Depth to cemented	0.16	Depth to saturated	0.14	Hard to reclaim	0.16
		pan		zone		Depth to cemented	0.16
Bonneau	7	Not Rated		Not Rated		Not Rated	
Emporia	7	Not Rated		Not Rated		Not Rated	
Slagle	6	Not Rated		Not Rated		Not Rated	
8B:							
Burrowsville	80	Fair		Poor		Fair	
		Droughty	0.08	Depth to cemented	0.00	Depth to saturated	0.14
		Too acid	0.12	pan		zone	
		Depth to cemented	0.16	Depth to saturated	0.14	Hard to reclaim	0.16
		pan		zone		Depth to cemented	0.16
Bonneau	7	Not Rated		Not Rated		Not Rated	
Emporia	7	Not Rated		Not Rated		Not Rated	
Slagle	6	Not Rated		Not Rated		Not Rated	
9:							
Catpoint	95	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.02				
Muckalee	5	Not Rated		Not Rated		Not Rated	
10:							
Chickahominy	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.60
Newflat	8	Not Rated		Not Rated		Not Rated	
Peawick	7	Not Rated		Not Rated		Not Rated	
11B:							

## Table ENG-2. - Construction Materials - Continued

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
11B:							
Emporia	80	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Too acid	0.98
		Too acid	0.54				
Bonneau	5	Not Rated		Not Rated		Not Rated	
Burrowsville	5	Not Rated		Not Rated		Not Rated	
Norfolk	5	Not Rated		Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated		Not Rated	
11C:							
Emporia	80	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Too acid	0.98
		Too acid	0.54				
Ackwater	7	Not Rated		Not Rated		Not Rated	
Bonneau	7	Not Rated		Not Rated		Not Rated	
Slagle	6	Not Rated		Not Rated		Not Rated	
12F:							
Emporia	80	Fair		Poor		Poor	
		Low content of organic matter	0.13	Slope	0.00	Slope	0.00
		Too acid	0.54	Low strength	0.00	Too acid	0.98
Kinston	7	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
Lynchburg	6	Not Rated		Not Rated		Not Rated	
13D:							
Emporia	45	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Slope	0.63
		Too acid	0.54			Too acid	0.98
Slagle	35	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Too acid	0.12			Too acid	0.60
						Slope	0.63
Kinston	10	Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13D: Lynchburg	10	Not Rated		Not Rated		Not Rated	
14: Kinston	85	Fair Too acid	0.50	Poor Depth to saturated zone Low strength	0.00 0.00	Poor Depth to saturated zone Too acid	0.00 0.88
Emporia	8	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
15: Levy	95	Poor Sodium content Too clayey Too acid	0.00 0.00 0.50	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.13	Poor Depth to saturated zone Sodium content Too Clayey	0.00 0.00 0.00
Muckalee	5	Not Rated		Not Rated		Not Rated	
16: Lynchburg	80	Poor Low content of organic matter Too acid	0.00 0.50	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Too acid	0.00 0.50
Aycock	4	Not Rated		Not Rated		Not Rated	
Montross	4	Not Rated		Not Rated		Not Rated	
Norfolk	4	Not Rated		Not Rated		Not Rated	
Rains	4	Not Rated		Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated		Not Rated	
17: Lynchburg	55	Poor Low content of organic matter Too acid	0.00 0.50	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Too acid	0.00 0.50
Slagle	25	Poor Low content of organic matter Too acid	0.00 0.12	Fair Depth to saturated zone	0.14	Fair Depth to saturated zone Too acid	0.14 0.60
Emporia	10	Not Rated		Not Rated		Not Rated	
Kinston	10	Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
18A:							
Montross	85	Fair		Poor		Fair	
		Too acid	0.12	Depth to cemented	0.00	Depth to cemented	0.21
		Low content of organic matter	0.13	pan		pan	
		Depth to cemented	0.21	Low strength	0.00	Depth to saturated	0.50
		pan		Depth to saturated	0.50	zone	
				zone		Too acid	0.60
Ackwater	8	Not Rated		Not Rated		Not Rated	
Aycock	7	Not Rated		Not Rated		Not Rated	
18B:							
Montross	85	Fair		Poor		Fair	
		Too acid	0.12	Depth to cemented	0.00	Depth to cemented	0.21
		Low content of organic matter	0.13	pan		pan	
		Depth to cemented	0.21	Low strength	0.00	Depth to saturated	0.50
		pan		Depth to saturated	0.50	zone	
				zone		Too acid	0.60
Ackwater	5	Not Rated		Not Rated		Not Rated	
Aycock	5	Not Rated		Not Rated		Not Rated	
Lynchburg	5	Not Rated		Not Rated		Not Rated	
19:							
Muckalee	85	Fair		Poor		Poor	
		Low content of organic matter	0.50	Depth to saturated	0.00	Depth to saturated	0.00
		Too acid	0.97	zone		zone	
Bolling	8	Not Rated		Not Rated		Not Rated	
Levy	7	Not Rated		Not Rated		Not Rated	
20:							
Newflat	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Low strength	0.00	Depth to saturated	0.00
		Too clayey	0.08	Depth to saturated	0.00	zone	
		Too acid	0.50	zone		Too Clayey	0.04
				Shrink-swell	0.13	Too acid	0.60
Peawick	8	Not Rated		Not Rated		Not Rated	
Chickahominy	7	Not Rated		Not Rated		Not Rated	
21:							
Norfolk	85	Poor		Good		Good	
		Low content of organic matter	0.00				
		Too acid	0.68				

**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21:							
Bonneau	4	Not Rated		Not Rated		Not Rated	
Burrowsville	4	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated		Not Rated	
22A:							
Pamunkey	85	Poor		Good		Good	
		Low content of organic matter	0.00				
		Too acid	0.68				
Argent	5	Not Rated		Not Rated		Not Rated	
Bojac	5	Not Rated		Not Rated		Not Rated	
Bolling	5	Not Rated		Not Rated		Not Rated	
22B:							
Pamunkey	85	Poor		Good		Good	
		Low content of organic matter	0.00				
		Too acid	0.68				
Argent	5	Not Rated		Not Rated		Not Rated	
Bojac	5	Not Rated		Not Rated		Not Rated	
Bolling	5	Not Rated		Not Rated		Not Rated	
23A:							
Peawick	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Low strength	0.00	Too Clayey	0.00
		Too clayey	0.00	Shrink-swell	0.13	Depth to saturated zone	0.14
		Too acid	0.50	Depth to saturated zone	0.14	Too acid	0.60
Chickahominy	5	Not Rated		Not Rated		Not Rated	
Newflat	5	Not Rated		Not Rated		Not Rated	
Wickham	5	Not Rated		Not Rated		Not Rated	
23B:							
Peawick	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Low strength	0.00	Too Clayey	0.00
		Too clayey	0.00	Shrink-swell	0.13	Depth to saturated zone	0.14
		Too acid	0.50	Depth to saturated zone	0.14	Too acid	0.60



**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
23B:							
Chickahominy	5	Not Rated		Not Rated		Not Rated	
Newflat	5	Not Rated		Not Rated		Not Rated	
Wickham	5	Not Rated		Not Rated		Not Rated	
23C:							
Peawick	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Low strength	0.00	Too Clayey	0.00
		Too clayey	0.00	Shrink-swell	0.13	Depth to saturated zone	0.14
		Too acid	0.50	Depth to saturated zone	0.14	Too acid	0.60
Newflat	8	Not Rated		Not Rated		Not Rated	
Wickham	7	Not Rated		Not Rated		Not Rated	
24:							
Rains	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.32			Too acid	0.88
Kinston	5	Not Rated		Not Rated		Not Rated	
Lynchburg	5	Not Rated		Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated		Not Rated	
25A:							
Slagle	85	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Too acid	0.12			Too acid	0.60
Burrowsville	3	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Lynchburg	3	Not Rated		Not Rated		Not Rated	
Montross	3	Not Rated		Not Rated		Not Rated	
Norfolk	3	Not Rated		Not Rated		Not Rated	
25B:							
Slagle	80	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Too acid	0.12			Too acid	0.60

**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25B:							
Kinston	4	Not Rated		Not Rated		Not Rated	
Montross	4	Not Rated		Not Rated		Not Rated	
Ackwater	3	Not Rated		Not Rated		Not Rated	
Bonneau	3	Not Rated		Not Rated		Not Rated	
Burrowsville	3	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
25C:							
Slagle	80	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Too acid	0.12			Too acid	0.60
Ackwater	7	Not Rated		Not Rated		Not Rated	
Bonneau	7	Not Rated		Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated		Not Rated	
26:							
Udorthents	75	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Pamunkey	4	Not Rated		Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated		Not Rated	
Wickham	4	Not Rated		Not Rated		Not Rated	
Argent	3	Not Rated		Not Rated		Not Rated	
Bolling	3	Not Rated		Not Rated		Not Rated	
Bonneau	3	Not Rated		Not Rated		Not Rated	
27:							
Udorthents	80	Not Rated		Not Rated		Not Rated	
Ackwater	3	Not Rated		Not Rated		Not Rated	
Urban Land	3	Not Rated		Not Rated		Not Rated	
Aycock	2	Not Rated		Not Rated		Not Rated	
Emporia	2	Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
27:							
Lynchburg	2	Not Rated		Not Rated		Not Rated	
Newflat	2	Not Rated		Not Rated		Not Rated	
Peawick	2	Not Rated		Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated		Not Rated	
Wickham	2	Not Rated		Not Rated		Not Rated	
28:							
Urban land	80	Not Rated		Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated		Not Rated	
Wickham	3	Not Rated		Not Rated		Not Rated	
Ackwater	2	Not Rated		Not Rated		Not Rated	
Aycock	2	Not Rated		Not Rated		Not Rated	
Emporia	2	Not Rated		Not Rated		Not Rated	
Lynchburg	2	Not Rated		Not Rated		Not Rated	
Newflat	2	Not Rated		Not Rated		Not Rated	
Peawick	2	Not Rated		Not Rated		Not Rated	
29:							
Urban land	70	Not Rated		Not Rated		Not Rated	
Udorthents	20	Not Rated		Not Rated		Not Rated	
Aycock	2	Not Rated		Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated		Not Rated	
Ackwater	1	Not Rated		Not Rated		Not Rated	
Emporia	1	Not Rated		Not Rated		Not Rated	
Lynchburg	1	Not Rated		Not Rated		Not Rated	
Newflat	1	Not Rated		Not Rated		Not Rated	
Peawick	1	Not Rated		Not Rated		Not Rated	
Wickham	1	Not Rated		Not Rated		Not Rated	

30A:

**Table ENG-2. - Construction Materials - Continued**

Prince George County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
30A:							
Wickham	90	Poor		Poor		Fair	
		Wind erosion	0.00	Low strength	0.00	Too acid	0.98
		Low content of organic matter	0.13				
		Too acid	0.54				
Peawick	10	Not Rated		Not Rated		Not Rated	
30B:							
Wickham	90	Poor		Poor		Fair	
		Wind erosion	0.00	Low strength	0.00	Too acid	0.98
		Low content of organic matter	0.13				
		Too acid	0.54				
Peawick	10	Not Rated		Not Rated		Not Rated	
30C:							
Wickham	80	Poor		Poor		Fair	
		Wind erosion	0.00	Low strength	0.00	Too acid	0.98
		Low content of organic matter	0.13				
		Too acid	0.54				
Emporia	7	Not Rated		Not Rated		Not Rated	
Peawick	7	Not Rated		Not Rated		Not Rated	
Slagle	6	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	